

1

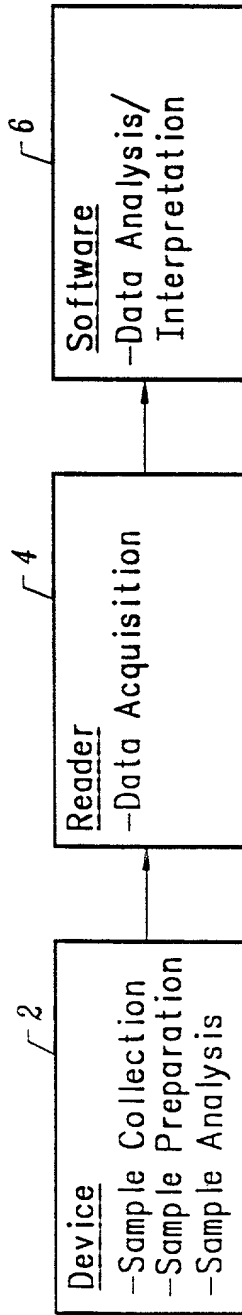


FIG. 1

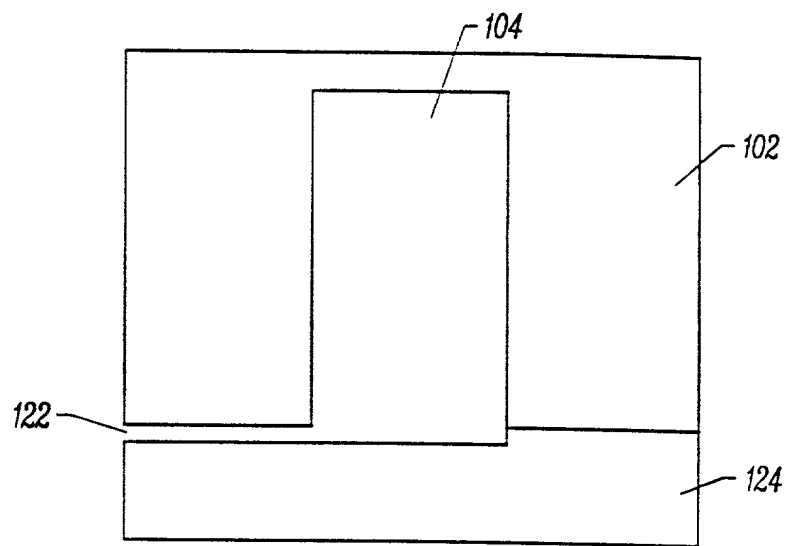


FIG. 2A

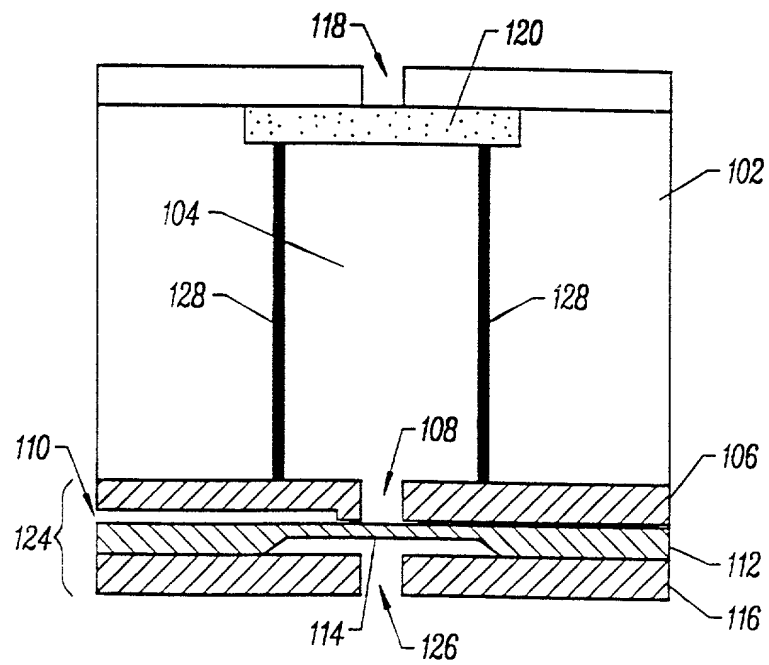


FIG. 2B

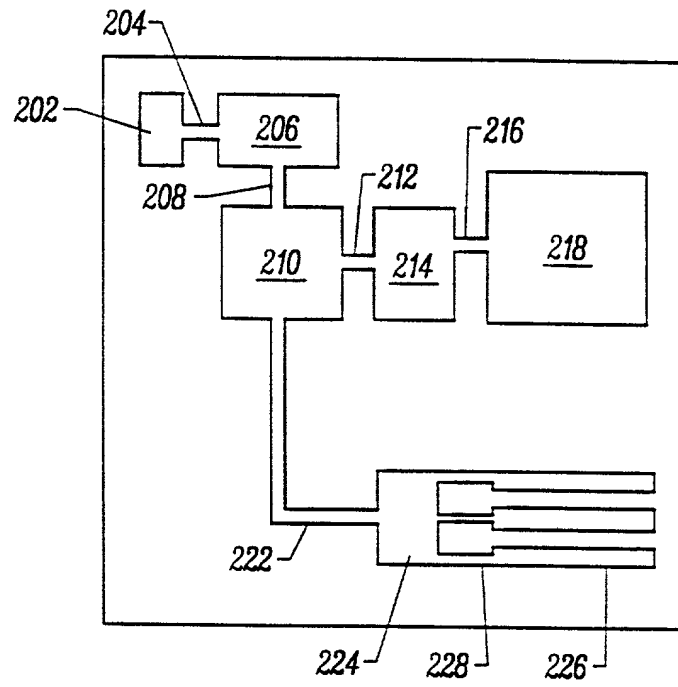
*FIG. 3*

FIG. 4A

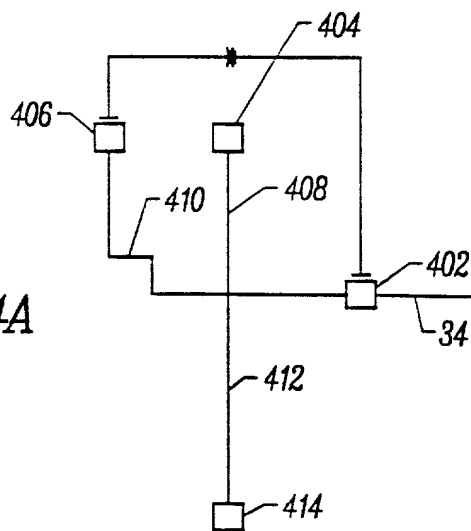


FIG. 4B

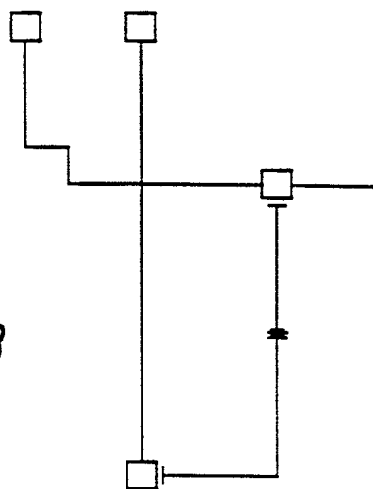
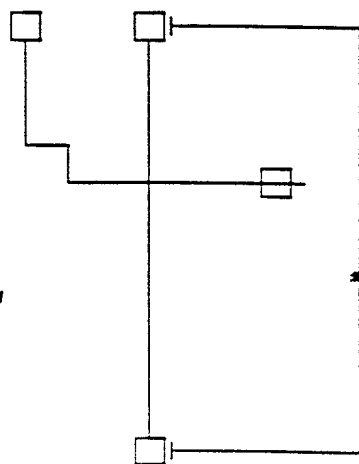


FIG. 4C



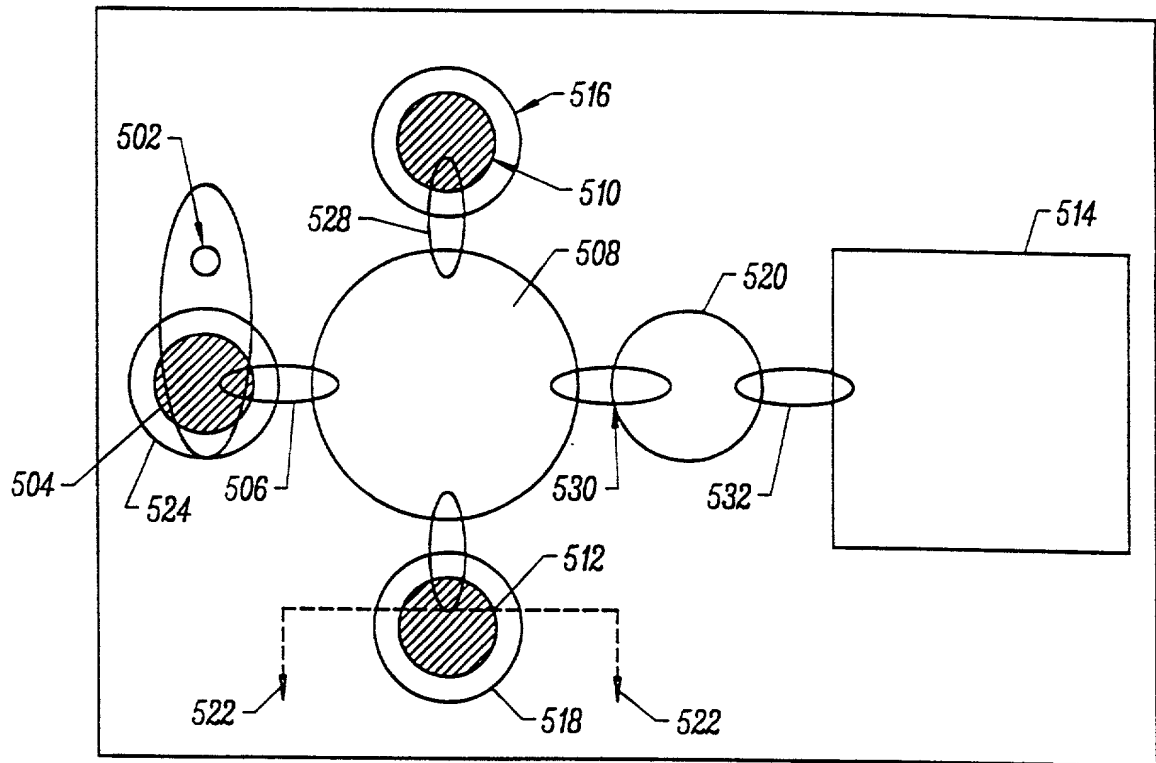


FIG. 5A

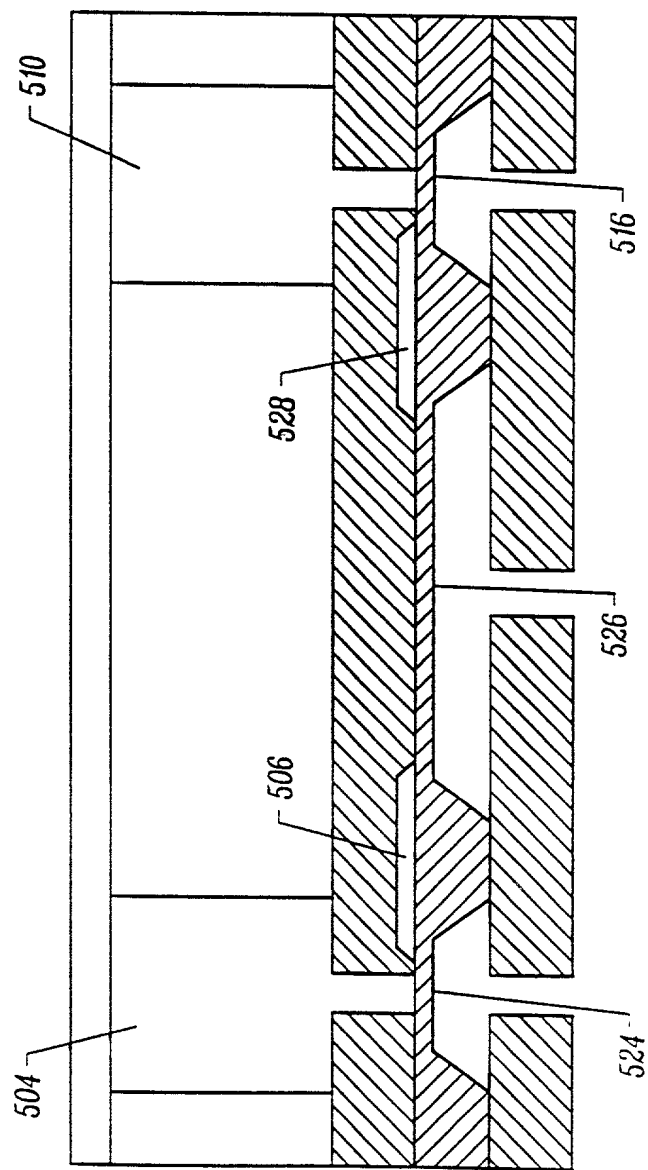
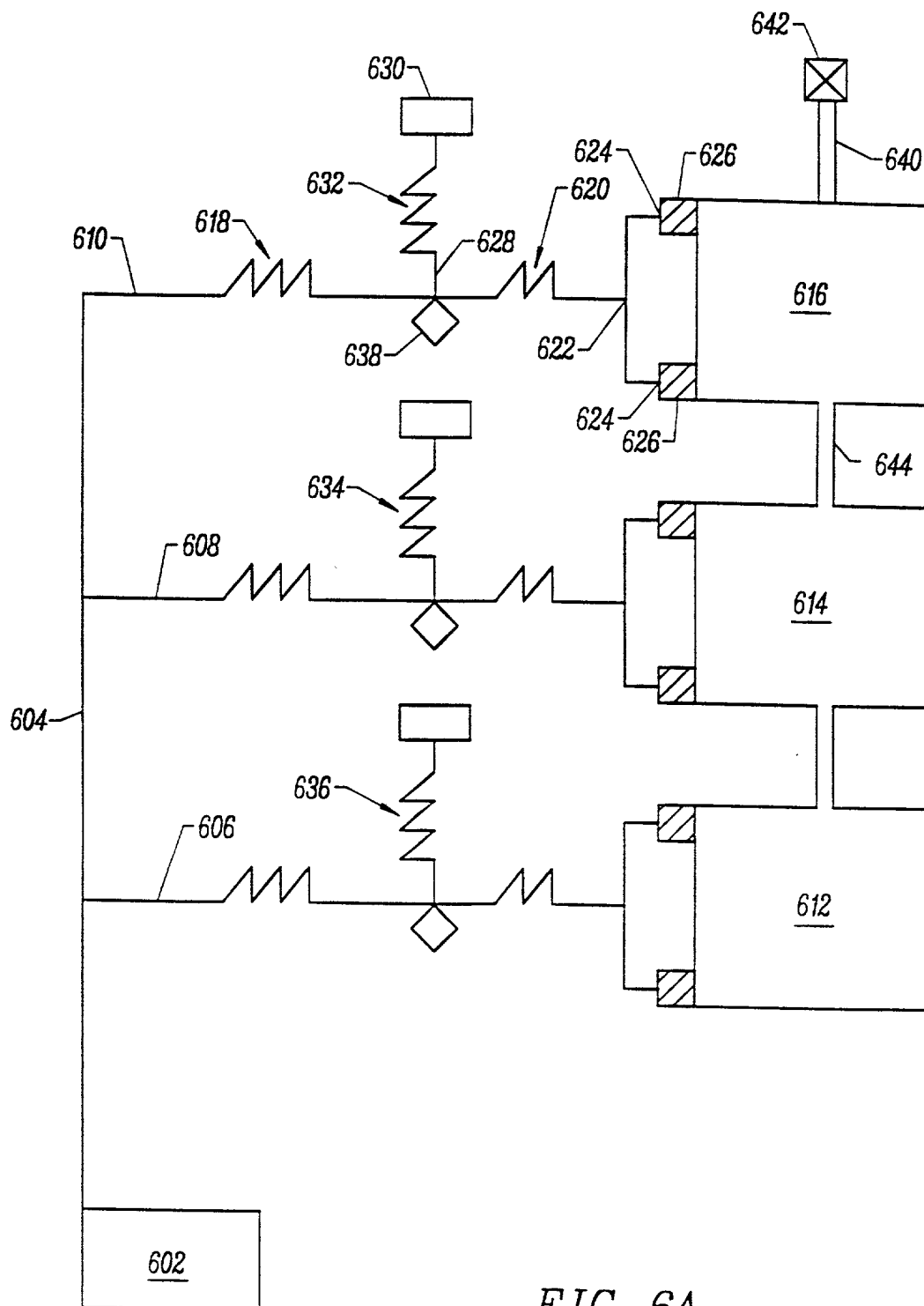


FIG. 5B

	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)	(23)	(24)	(25)	(26)	(27)	(28)	(29)	(30)	(31)	(32)	(33)	(34)	(35)	(36)	(37)	(38)	(39)	(40)	(41)	(42)	(43)	(44)	(45)	(46)	(47)	(48)	(49)	(50)	(51)	(52)	(53)	(54)	(55)	(56)	(57)	(58)	(59)	(60)	(61)	(62)	(63)	(64)	(65)	(66)	(67)	(68)	(69)	(70)	(71)	(72)	(73)	(74)	(75)	(76)	(77)	(78)	(79)	(80)	(81)	(82)	(83)	(84)	(85)	(86)	(87)	(88)	(89)	(90)	(91)	(92)	(93)	(94)	(95)	(96)	(97)	(98)	(99)	(100)
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100	
101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120	121	122	123	124	125	126	127	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143	144	145	146	147	148	149	150	151	152	153	154	155	156	157	158	159	160	161	162	163	164	165	166	167	168	169	170	171	172	173	174	175	176	177	178	179	180	181	182	183	184	185	186	187	188	189	190	191	192	193	194	195	196	197	198	199	200	



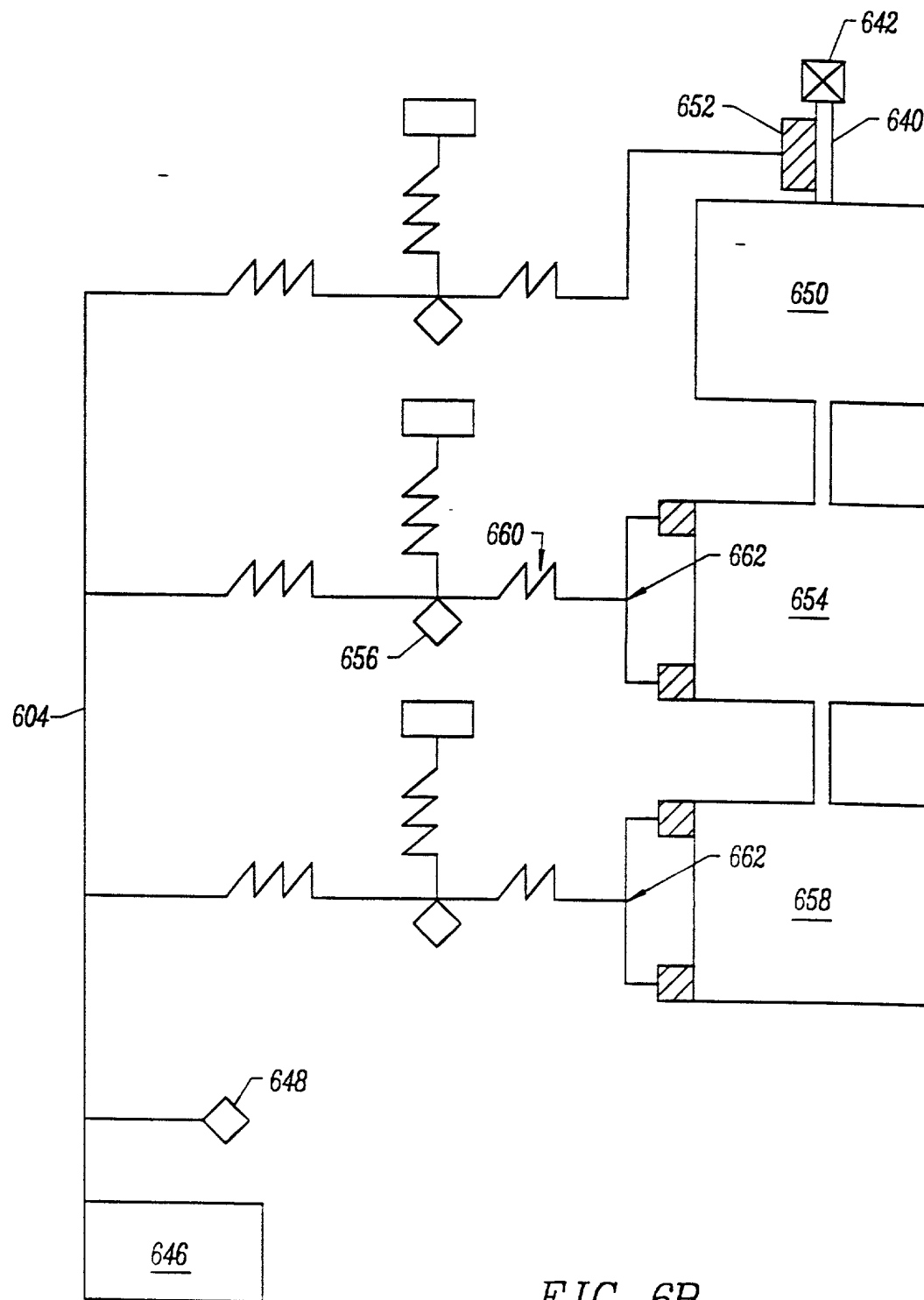


FIG. 6B

OFFICE OF THE ATTORNEY GENERAL

Pressure Distribution Among Control Nodes

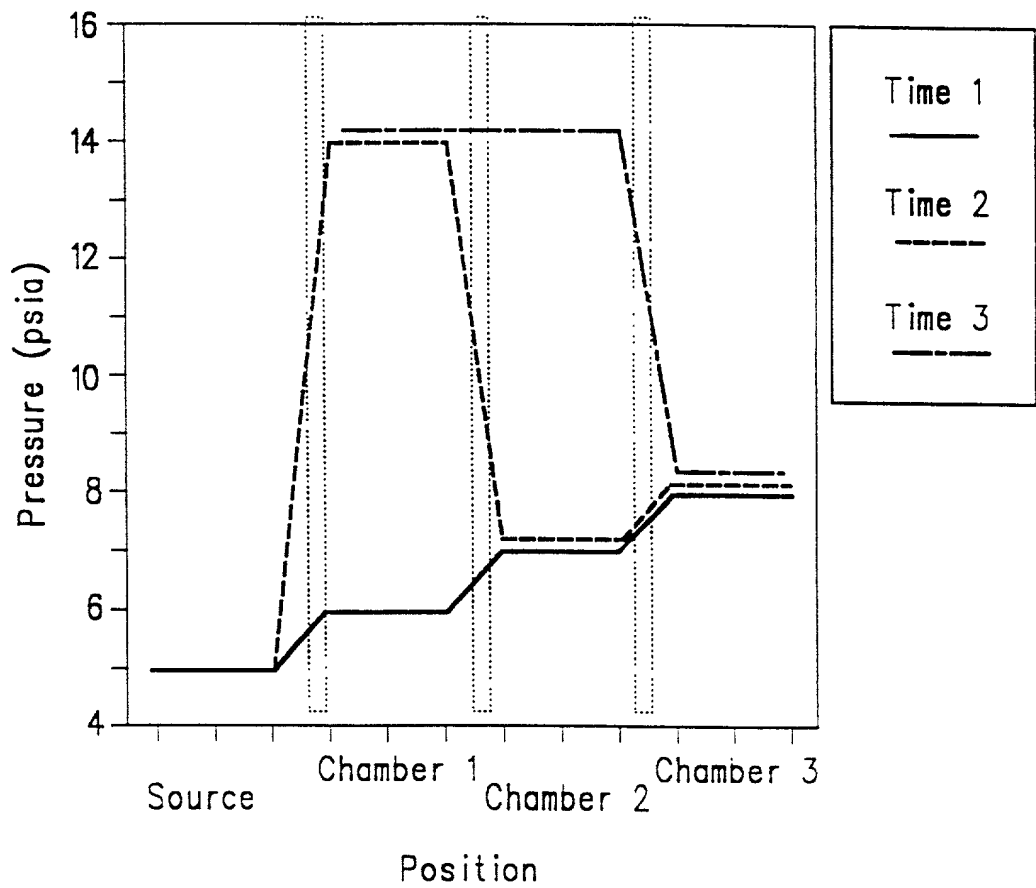


FIG. 6C

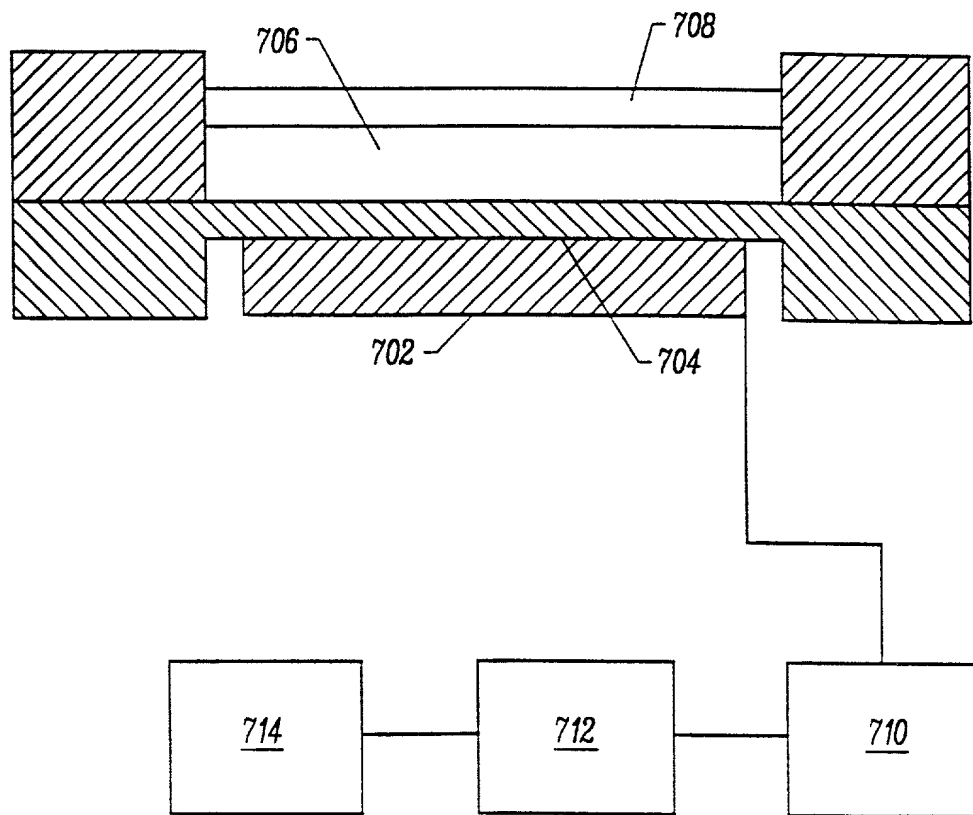
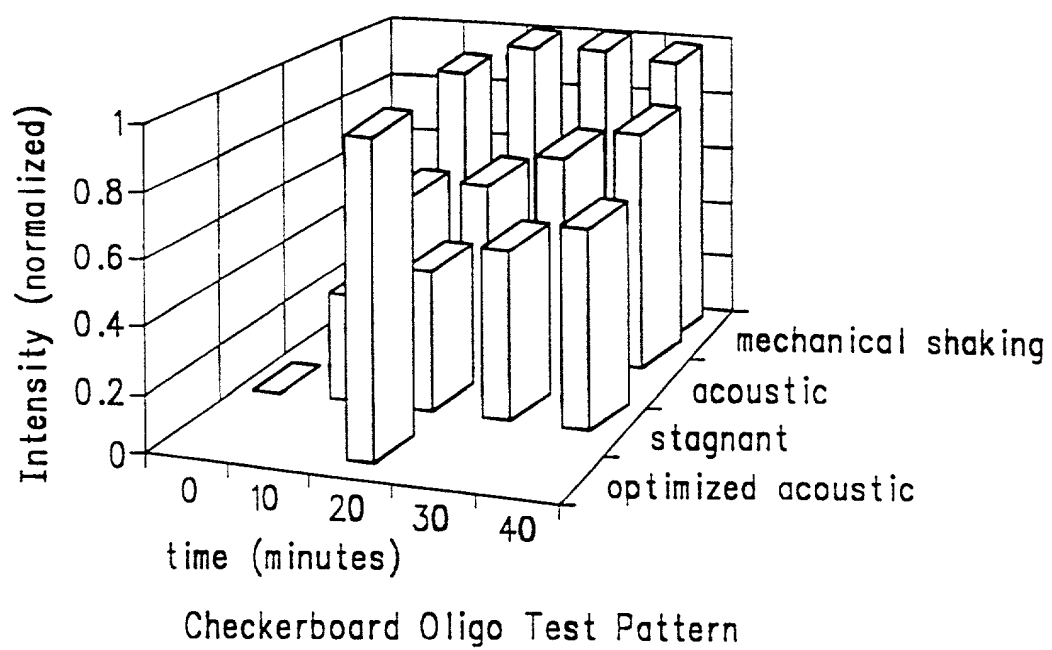


FIG. 7A

Flow Visualization

FIG. 7B

09751638-123400

*FIG. 7C*

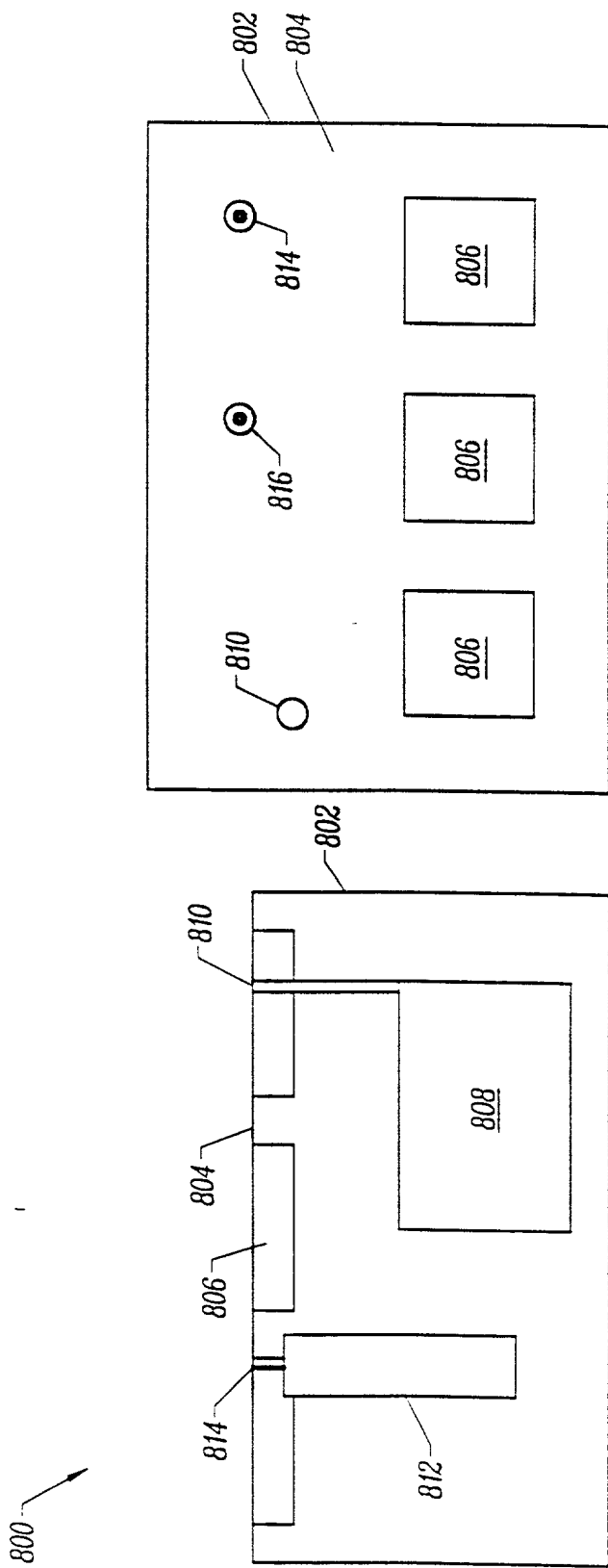


FIG. 8

DATE: 03/03/95

Cycles:	35	Ini Den	94.0	Den	94.0	Ann	65.0	Fin Ext	72.0	Hold	10.0
Temp		Time(s)	60		20		40		60		1000
Temp Hem			0		0		0		0		981
Cyc Hem	19	St. Time [Min]	85.4			Tue. Nov. 14, 1995			11:31 AM		

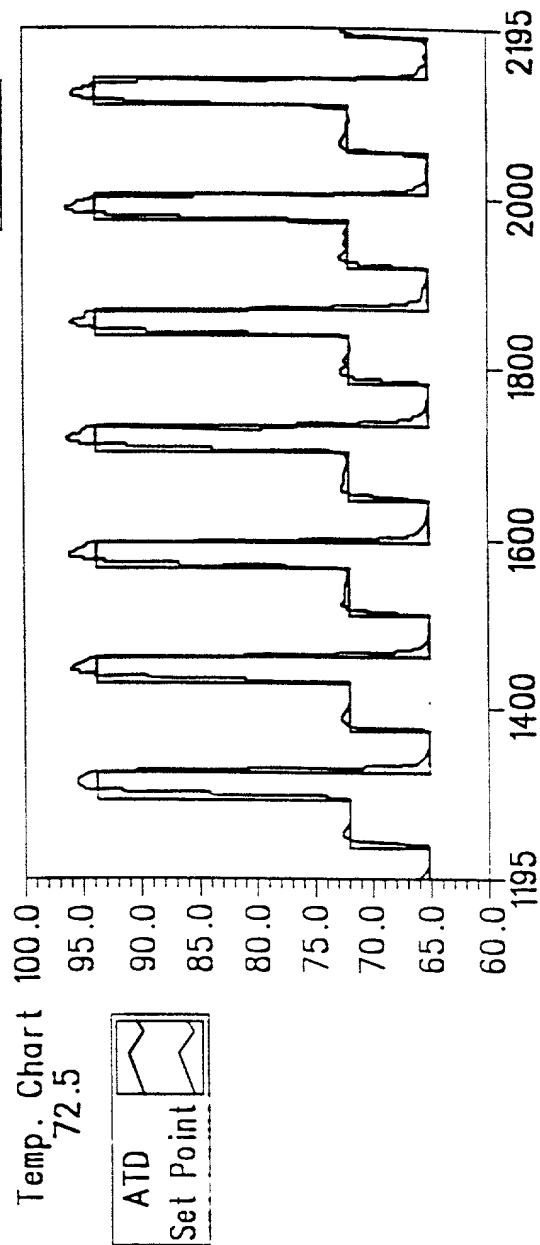
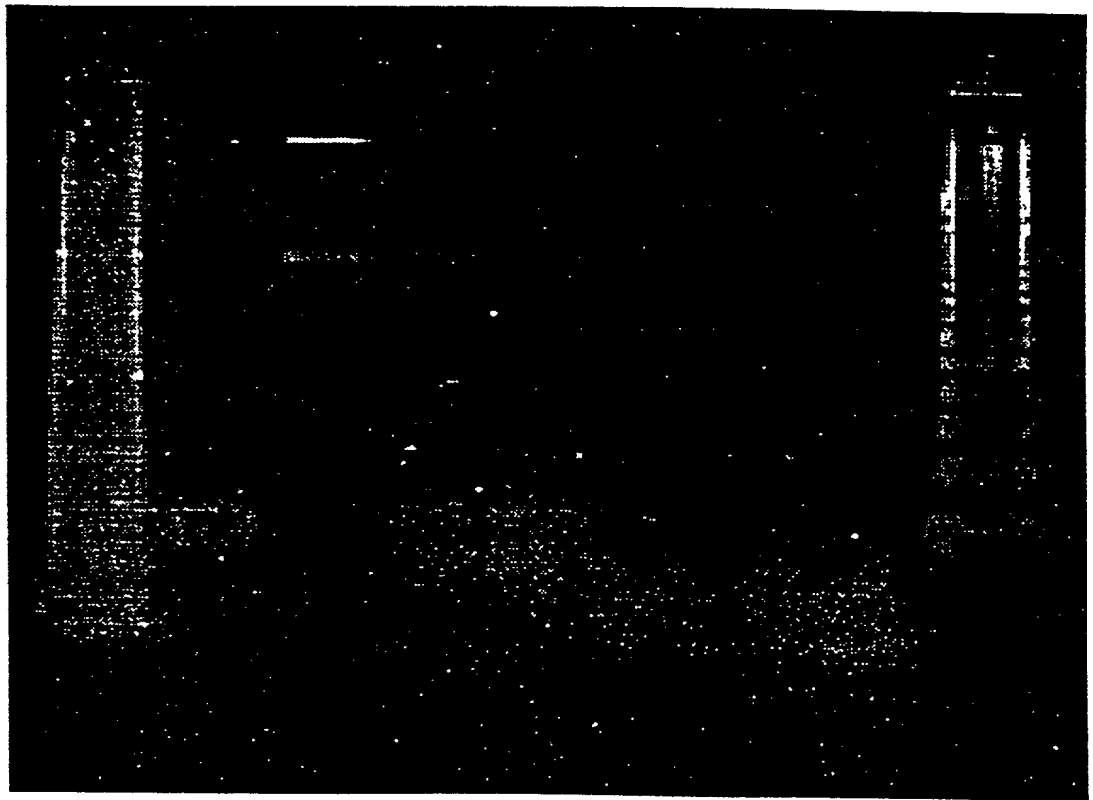


FIG. 9

Effect of Fragmentation Time at 94C

t = 0 5 10 30 60 120 minutes



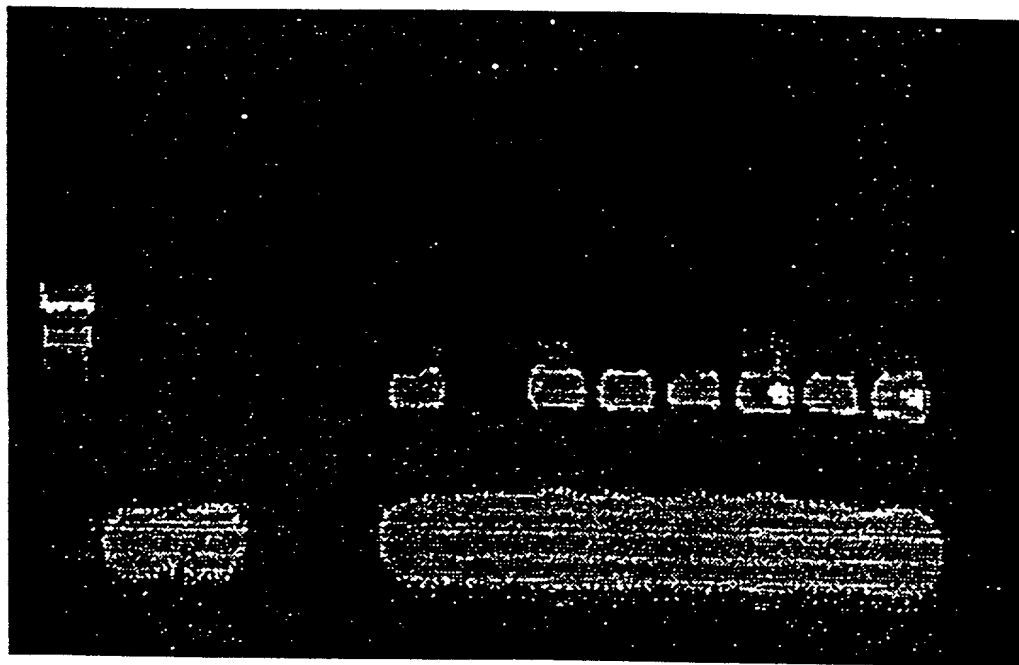
Correct Call Rates:

74%	95.8%	95.9%
95.9%	95.5%	83%

FIG. 10A

Standard

Tube Based

*FIG. 10B*

00754638-4100

PCR Results

■ PCR:

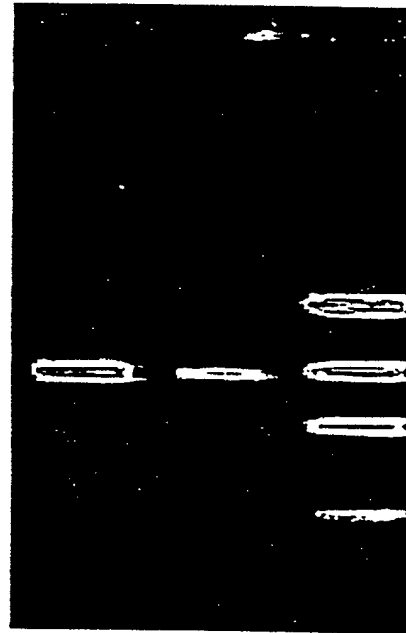
amplification: 10^9 (35 cycles)

control

microchamber

✓

✓



< 50 ng

< 30 ng

< 20 ng

< 10 ng

FIG. 10C

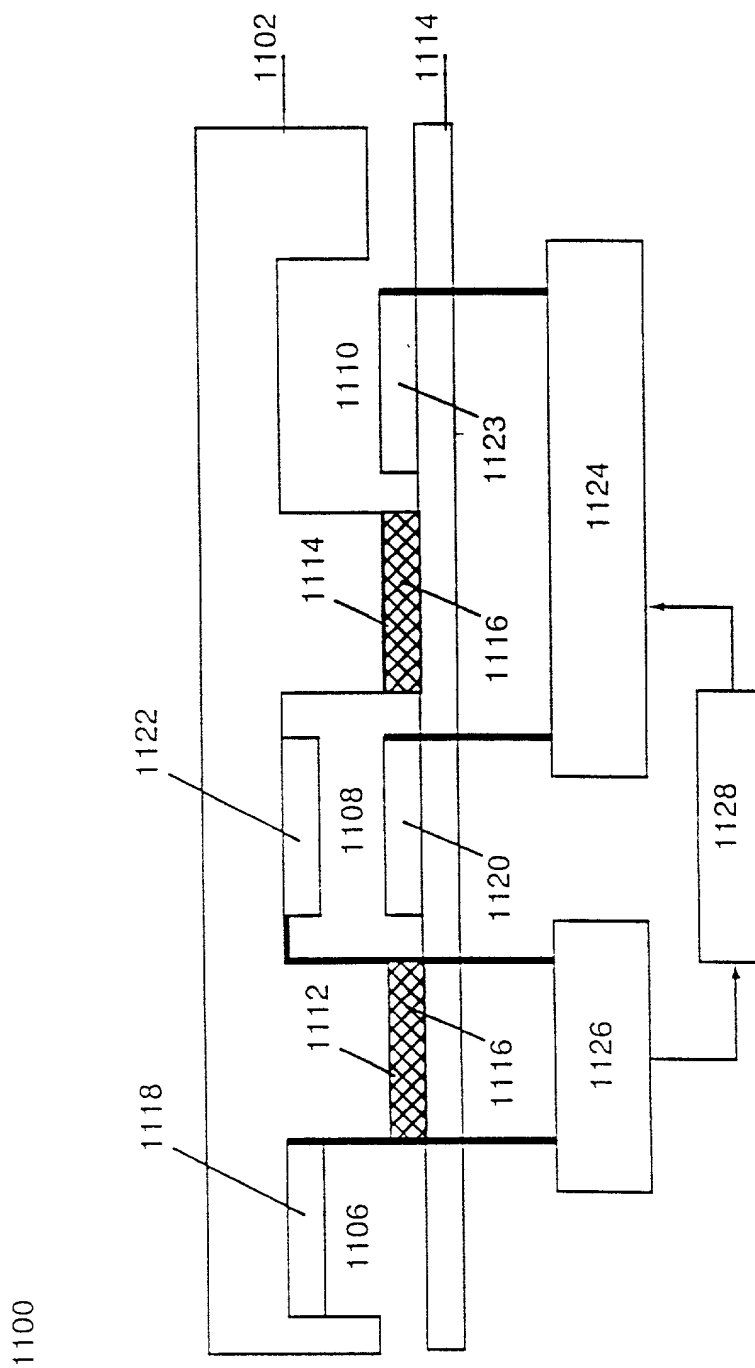


Figure 11

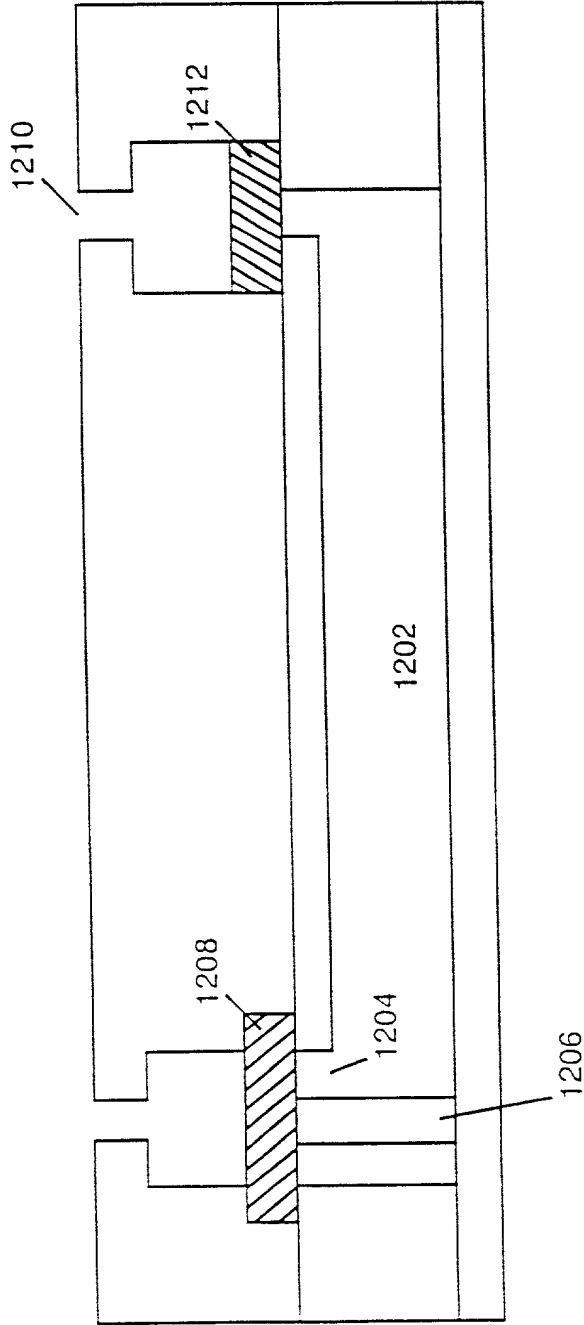


Figure 12a

1

20/26

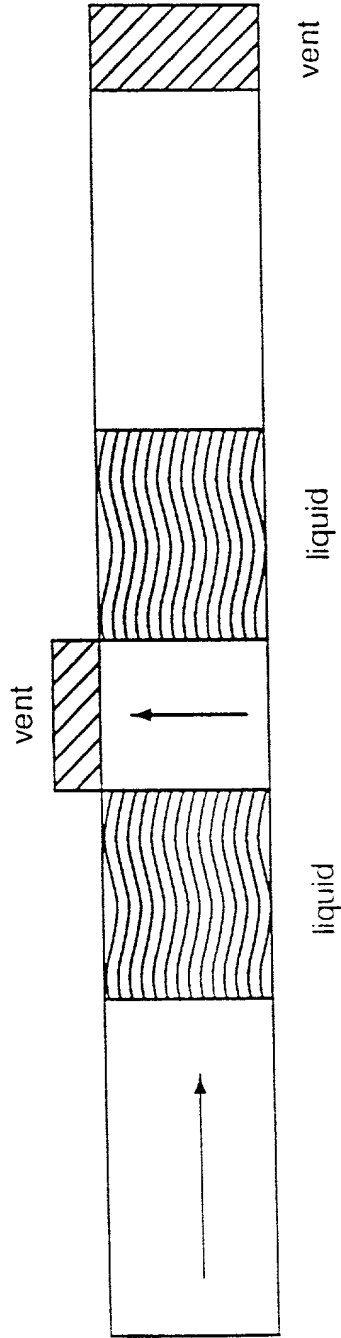


Figure 12b

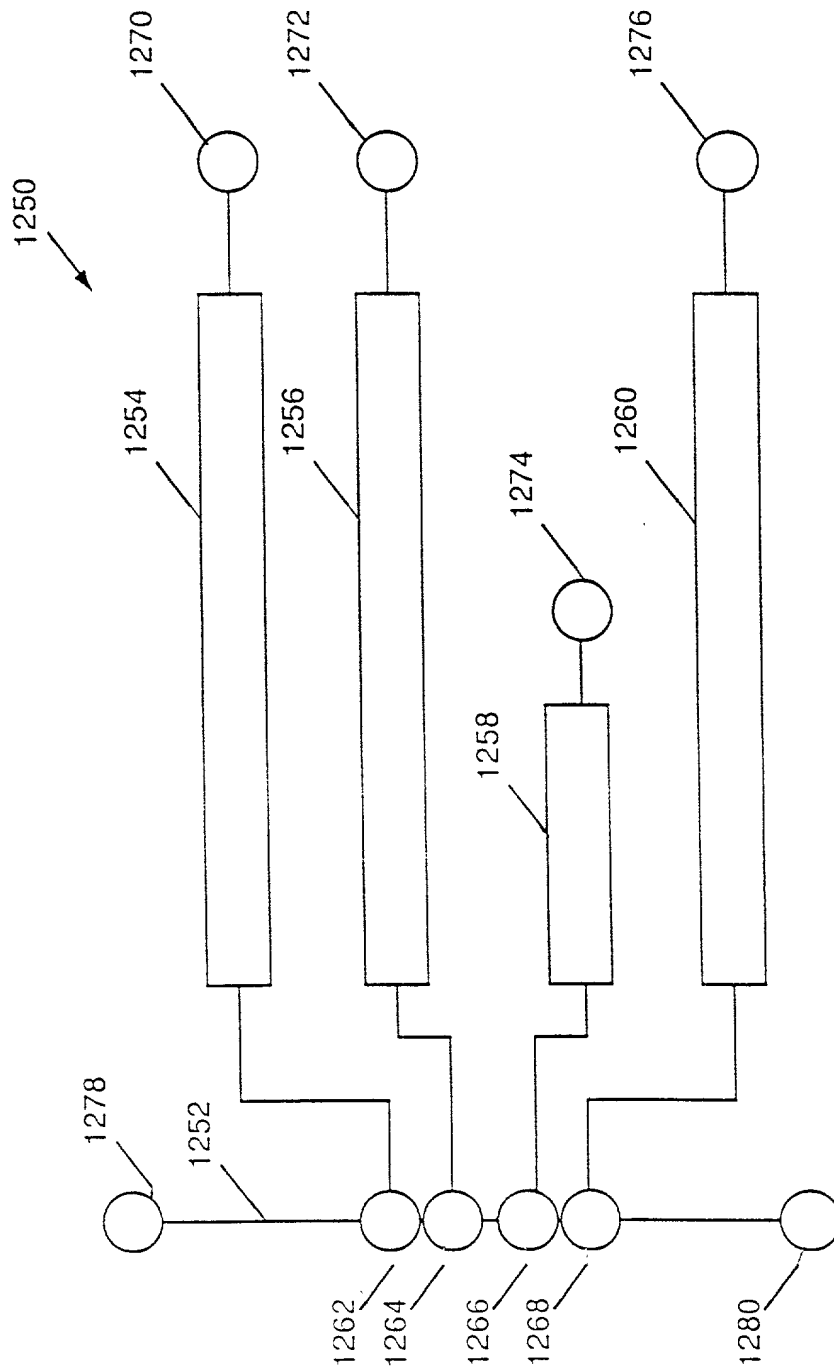


Figure 12c

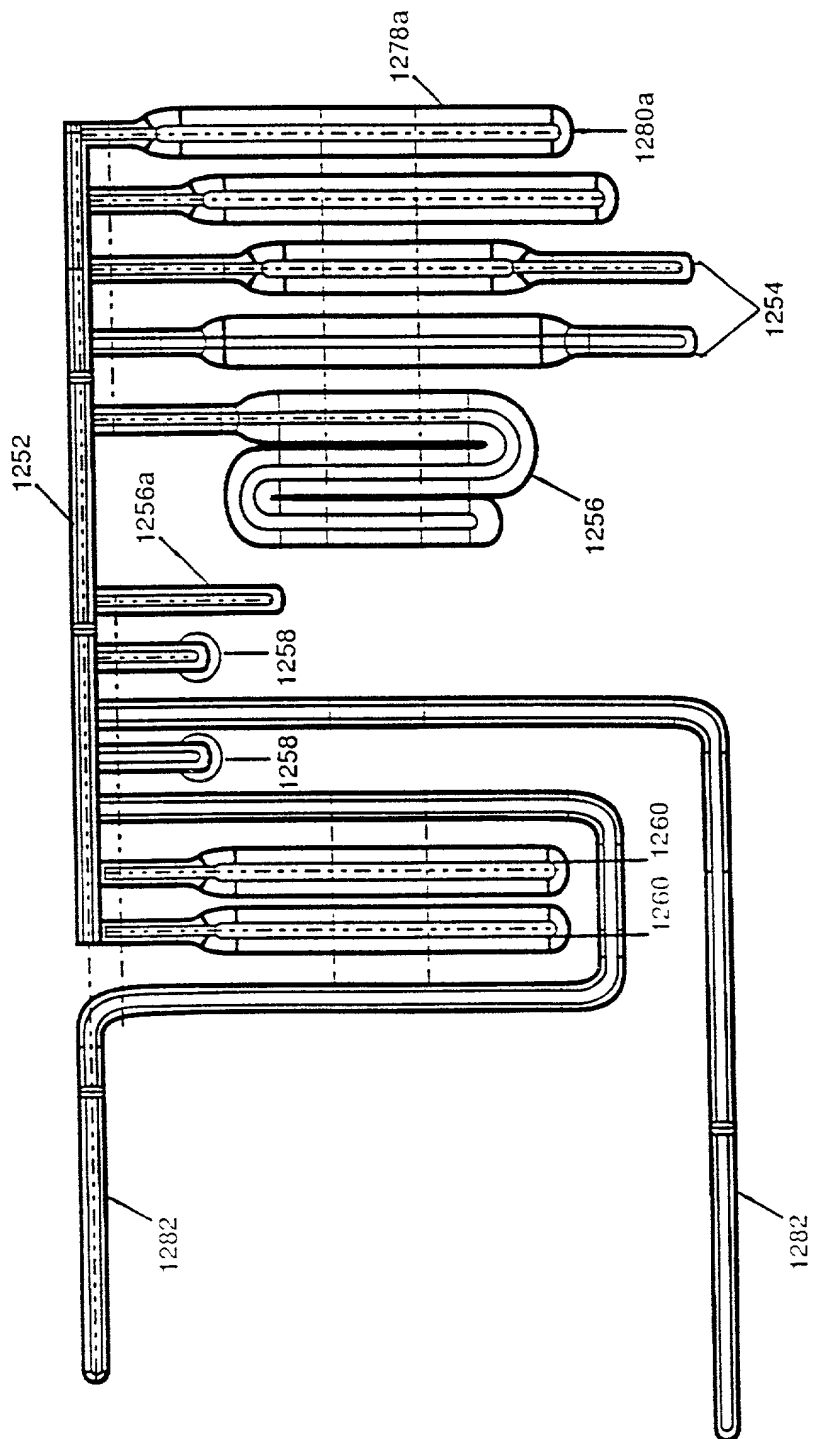


Figure 12d

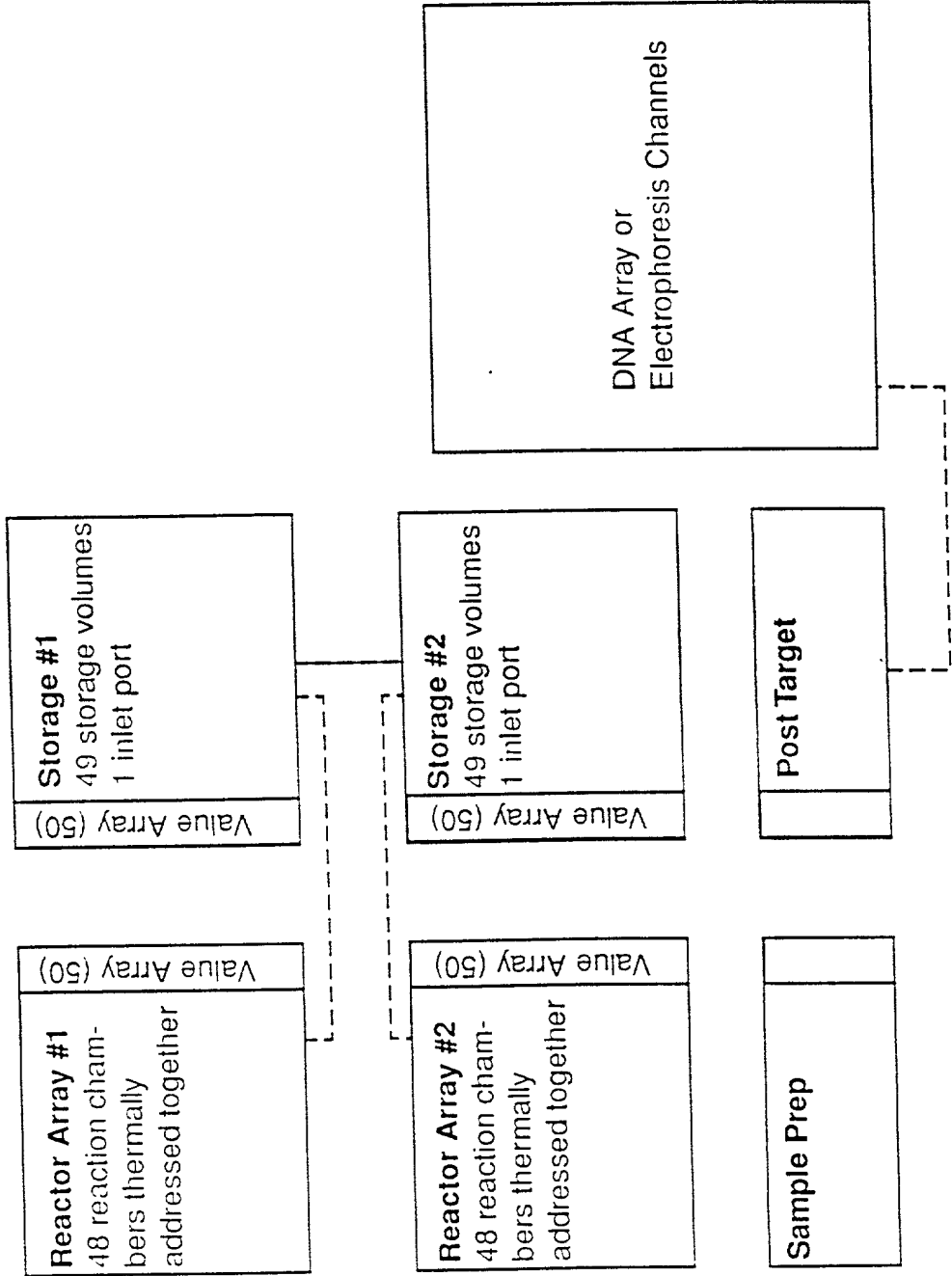


Figure 14

Thermal Configuration

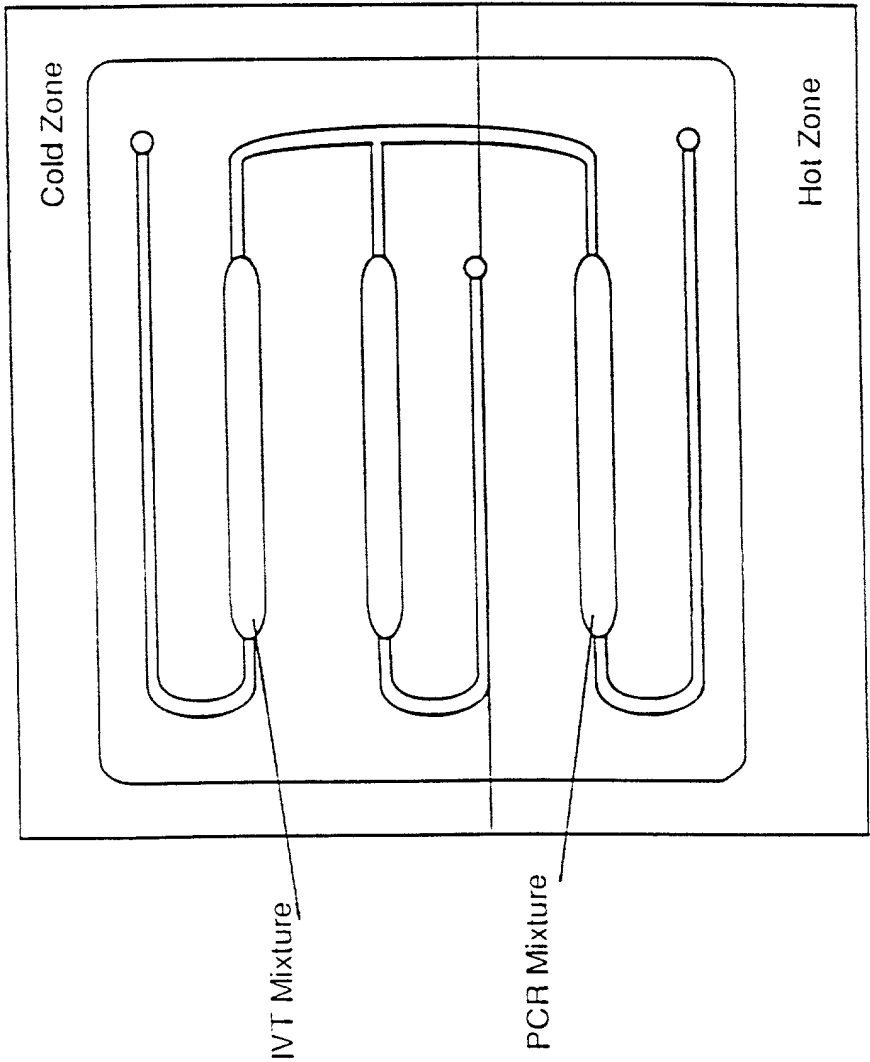
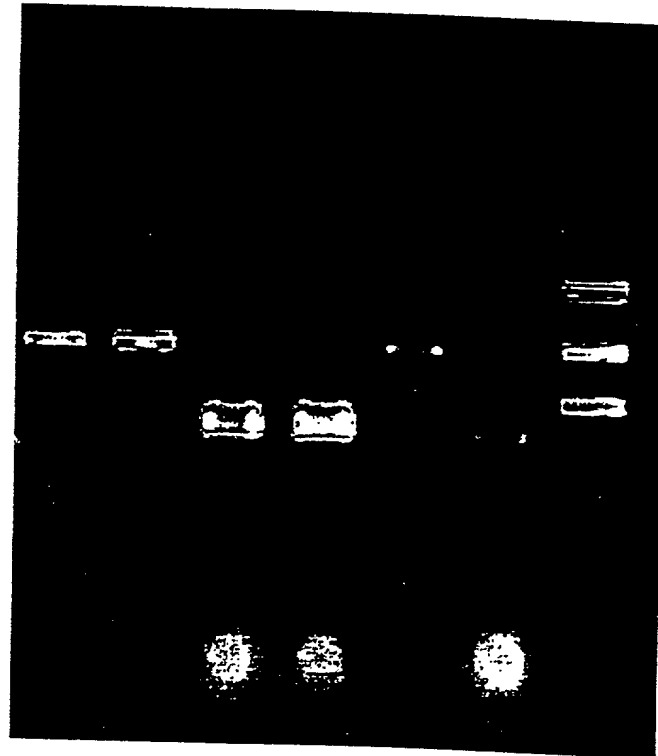


Figure 15a

IVT=>

Frag



- < 50 ng
- < 30 ng
- < 20 ng
- < 10 ng

Fig. 15B